

ANNUAL INDEX 1999

AUTHORS

- Abler, William L. THE TEETH OF THE TYRANNOSAURS; Sept., p. 50.
- Aebischer, Patrick, and Michael J. Lysaght. ENCAPSULATED CELLS AS THERAPY; April, p. 76.
- Agarwal, Anant. RAW COMPUTATION [OXYGEN PROJECT]; Aug., p. 60.
- Agnew, Neville, and Shin Maekawa. PRESERVING NEFERTARI'S LEGACY; Oct., p. 74.
- Allamandola, Louis J., Max P. Bernstein and Scott A. Sandford. LIFE'S FAR-FLUNG RAW MATERIALS; July, p. 42.
- Appleby, A. John. THE ELECTROCHEMICAL ENGINE FOR VEHICLES; July, p. 74.
- Bacon, Bruce R., and Adrian M. Di Bisceglie. THE UNMET CHALLENGES OF HEPATITIS C; Oct., p. 80.
- Bane, P. William, and Stephen P. Bradley. [BROADBAND] THE LIGHT AT THE END OF THE PIPE; Oct., p. 110.
- Beardsley, Tim. THE WAY TO GO IN SPACE [SPACESHIPS: THE NEXT GENERATION]; Feb., p. 80.
- Belmonte, Juan Carlos Izpisua. HOW THE BODY TELLS LEFT FROM RIGHT; June, p. 46.
- Bernstein, Max P., Scott A. Sandford and Louis J. Allamandola. LIFE'S FAR-FLUNG RAW MATERIALS; July, p. 42.
- Bischofberger, Norbert, W. Graeme Laver and Robert G. Webster. DISARMING FLU VIRUSES; Jan., p. 78.
- Black, Peter McL., W. Eric L. Grimson, Ron Kikinis and Ferenc A. Jolesz. IMAGE-GUIDED SURGERY; June, p. 62.
- Bohrmann, Gerhard, Erwin Suess, Jens Greinert and Erwin Lausch. [METHANE HYDRATES] FLAMMABLE ICE; Nov., p. 76.
- Bosak, Jon, and Tim Bray. XML AND THE SECOND-GENERATION WEB; May, p. 89.
- Bradley, Stephen P., and P. William Bane. [BROADBAND] THE LIGHT AT THE END OF THE PIPE; Oct., p. 110.
- Bray, Tim, and Jon Bosak. XML AND THE SECOND-GENERATION WEB; May, p. 89.
- Bucher, Martin A., and David N. Spergel. INFLATION IN A LOW-DENSITY UNIVERSE; Jan., p. 62.
- Bullock, Mark A., and David H. Grinspoon. GLOBAL CLIMATE CHANGE ON VENUS; March, p. 50.
- Burkholder, JoAnn M. THE LURKING PERILS OF PFIESTERIA; Aug., p. 42.
- Chyba, Christopher F., and Jill C. Tarter. IS THERE LIFE ELSEWHERE IN THE UNIVERSE?; Dec., p. 118.
- Ciofi, Claudio. THE KOMODO DRAGON; March, p. 84.
- Clark, David D. [BROADBAND] SPECIAL REPORT: HIGH-SPEED DATA RACES HOME; Oct., p. 94.
- Clever project, members of the. HYPER-SEARCHING THE WEB; June, p. 54.
- Collins, Francis S., and Karin G. Jegalian. DECI-PHERING THE CODE OF LIFE; Dec., p. 86.
- Cooper, Richard S., Charles N. Rotimi and Ryk Ward. THE PUZZLE OF HYPERTENSION IN AFRICAN-AMERICANS; Feb., p. 56.
- Copeland, B. Jack, and Diane Proudfoot. ALAN TURING'S FORGOTTEN IDEAS IN COMPUTER SCIENCE; April, p. 98.
- Cutts, James A., and I. Steve Smith, Jr. FLOATING IN SPACE [SPACE-AGE BALLOONING]; Nov., p. 98.
- Damasio, Antonio R. HOW THE BRAIN CREATES THE MIND; Dec., p. 112.
- Damon, William. THE MORAL DEVELOPMENT OF CHILDREN; Aug., p. 72.
- Dando, Malcolm, Paul Rogers and Simon Whitby. BIOLOGICAL WARFARE AGAINST CROPS; June, p. 70.
- Dawson, Jr., John W. GÖDEL AND THE LIMITS OF LOGIC; June, p. 76.
- De Jager, Peter. Y2K: SO MANY BUGS ... SO LITTLE TIME; Jan., p. 88.
- De Waal, Frans B. M. THE END OF NATURE VERSUS NURTURE; Dec., p. 94.
- Dertouzos, Michael L. SPECIAL REPORT: THE FUTURE OF COMPUTING [OXYGEN PROJECT]; Aug., p. 52.
- Di Bisceglie, Adrian M., and Bruce R. Bacon. THE UNMET CHALLENGES OF HEPATITIS C; Oct., p. 80.
- Dyer, Christopher K. REPLACING THE BATTERY IN PORTABLE ELECTRONICS; July, p. 88.
- Eberhart, Mark E. WHY THINGS BREAK; Oct., p. 66.
- Edgerton, Michael E., and Theodore C. Levin. THE THROAT-SINGERS OF TUVU; Sept., p. 80.
- Erickson, Gregory M. BREATHING LIFE INTO TYRANNOSAURUS REX; Sept., p. 42.
- Fink, Mathias. TIME-REVERSED ACOUSTICS; Nov., p. 91.
- Forward, Robert L., and Robert P. Hoyt. SPACE TETHERS; Feb., p. 86.
- Foster, Karen Polinger. THE EARLIEST ZOOS AND GARDENS; July, p. 64.
- Fox, Douglas, and W. Wayt Gibbs. TRENDS IN EDUCATION: THE FALSE CRISIS IN SCIENCE EDUCATION; Oct., p. 86.
- Gage, Fred H., and Gerd Kempermann. NEW NERVE CELLS FOR THE ADULT BRAIN; May, p. 48.
- Gholami, Touraj, Stefan Thomke and Michael Holzner. [AUTO SAFETY] THE CRASH IN THE MACHINE; March, p. 92.
- Gibbs, W. Wayt. EXPEDITIONS: TRAILING A VIRUS; Aug., p. 80.
- Gibbs, W. Wayt, and Douglas Fox. TRENDS IN EDUCATION: THE FALSE CRISIS IN SCIENCE EDUCATION; Oct., p. 86.
- González, Frank I. TSUNAMI; May, p. 56.
- Gorelik, Gennady. THE METAMORPHOSIS OF ANDREI SAKHAROV; March, p. 98.
- Greeley, Ronald, Robert T. Pappalardo and James W. Head. THE HIDDEN OCEAN OF EUROPA; Oct., p. 54.
- Greiner, Jens, Erwin Suess, Gerhard Bohrmann and Erwin Lausch. [METHANE HYDRATES] FLAMMABLE ICE; Nov., p. 76.
- Grimson, W. Eric L., Ron Kikinis, Ferenc A. Jolesz and Peter McL. Black. IMAGE-GUIDED SURGERY; June, p. 62.
- Grinspoon, David H., and Mark A. Bullock. GLOBAL CLIMATE CHANGE ON VENUS; March, p. 50.
- Guttag, John V. COMMUNICATIONS CHAMELEONS [OXYGEN PROJECT]; Aug., p. 58.
- Hagenlocher, Klaus G. A ZEPPELIN FOR THE 21ST CENTURY; Nov., p. 104.
- Harris, Henry M. LIGHT SAILS; Feb., p. 90.
- Hawley, George T. DSL: BROADBAND BY PHONE; Oct., p. 102.
- Head, James W., Robert T. Pappalardo and Ronald Greeley. THE HIDDEN OCEAN OF EUROPA; Oct., p. 54.
- Hogan, Craig J., Robert P. Kirshner and Nicholas B. Suntzeff. SURVEYING SPACE-TIME WITH SUPERNOVAE; Jan., p. 46.
- Holzner, Michael, Stefan Thomke and Touraj Gholami. [AUTO SAFETY] THE CRASH IN THE MACHINE; March, p. 92.
- Hoyt, Robert P., and Robert L. Forward. SPACE TETHERS; Feb., p. 86.
- Jegalian, Karin G., and Francis S. Collins. DECI-PHERING THE CODE OF LIFE; Dec., p. 86.
- Jolesz, Ferenc A., W. Eric L. Grimson, Ron Kikinis and Peter McL. Black. IMAGE-GUIDED SURGERY; June, p. 62.
- Kahabka, Peter, Edward P. J. van den Heuvel and Saul A. Rappaport. SUPERSOFT X-RAY STARS AND SUPERNOVAE; Feb., p. 46.
- Kajita, Takaaki, Edward Kearns and Yoichi Totsuka. DETECTING MASSIVE NEUTRINOS; Aug., p. 64.
- Karl, Thomas, R., and Kevin E. Trenberth. THE HUMAN IMPACT ON CLIMATE; Dec., p. 100.
- Kearns, Edward, Takaaki Kajita and Yoichi Totsuka. DETECTING MASSIVE NEUTRINOS; Aug., p. 64.
- Kempermann, Gerd, and Fred H. Gage. NEW NERVE CELLS FOR THE ADULT BRAIN; May, p. 48.
- Kennedy, Ronald C., and David B. Weiner. GENETIC VACCINES; July, p. 50.
- Kikinis, Ron, W. Eric L. Grimson, Ferenc A. Jolesz and Peter McL. Black. IMAGE-GUIDED SURGERY; June, p. 62.
- Kim, Eugene Eric, and Betty Alexandra Toole. ADA AND THE FIRST COMPUTER; May, p. 76.
- Kirshner, Robert P., Craig J. Hogan and Nicholas B. Suntzeff. SURVEYING SPACE-TIME WITH SUPERNOVAE; Jan., p. 46.
- Krauss, Lawrence M. COSMOLOGICAL ANTI-GRAVITY; Jan., p. 52.
- Krauss, Lawrence M., and Glenn D. Starkman. THE FATE OF LIFE IN THE UNIVERSE; Nov., p. 58.
- Landy, Stephen D. MAPPING THE UNIVERSE; June, p. 38.
- Langer, Robert S., and Joseph P. Vacanti. TISSUE ENGINEERING: THE CHALLENGES AHEAD; April, p. 86.
- Larson, Edward J., and Larry Witham. SCIENTISTS AND RELIGION IN AMERICA; Sept., p. 88.
- Lasota, Jean-Pierre. UNMASKING BLACK HOLES; May, p. 40.
- Lausch, Erwin, Erwin Suess, Gerhard Bohrmann and Jens Greiner. [METHANE HYDRATES] FLAMMABLE ICE; Nov., p. 76.
- Laver, W. Graeme, Norbert Bischofberger and Robert G. Webster. DISARMING FLU VIRUSES; Jan., p. 78.
- Leifer, Stephanie D. REACHING FOR THE STARS; Feb., p. 94.
- Levin, Theodore C., and Michael E. Edgerton. THE THROAT-SINGERS OF TUVU; Sept., p. 80.
- Lewis, George N., Theodore A. Postol and John Pike. WHY NATIONAL MISSILE DEFENSE WON'T WORK; Aug., p. 36.
- Lloyd, Alan C. THE POWER PLANT IN YOUR BASEMENT; July, p. 80.
- Logothetis, Nikos K. VISION: A WINDOW ON CONSCIOUSNESS; Nov., p. 68.
- Luminet, Jean-Pierre, Glenn D. Starkman and Jeffrey R. Weeks. IS SPACE FINITE?; April, p. 90.
- Lysaght, Michael J., and Patrick Aebischer. ENCAPSULATED CELLS AS THERAPY; April, p. 76.
- Maddox, Sir John. THE UNEXPECTED SCIENCE TO COME; Dec., p. 62.
- Maekawa, Shin, and Neville Agnew. PRESERVING NEFERTARI'S LEGACY; Oct., p. 74.
- Malhotra, Renu. MIGRATING PLANETS; Sept., p. 56.

- Mandelbrot, Benoit B. A MULTIFRACTAL WALK DOWN WALL STREET; Feb., p. 70.
- McClinton, Charles R. AIR-BREATHING ENGINES; Feb., p. 84.
- McDonald, John W., and the Research Consortium of the Christopher Reeve Paralysis Foundation. REPAIRING THE DAMAGED SPINAL CORD; Sept., p. 64.
- Medin, Milo, and Jay Rolls. THE INTERNET VIA CABLE; Oct., p. 100.
- Meyer, Axel, and Melanie L. J. Stiassny. CICHLIDS OF THE RIFT LAKES; Feb., p. 64.
- Mikos, Antonios G., and David J. Mooney. GROWING NEW ORGANS; April, p. 60.
- Mooney, David J., and Antonios G. Mikos. GROWING NEW ORGANS; April, p. 60.
- Moravec, Hans. RISE OF THE ROBOTS; Dec., p. 124.
- Moxon, E. Richard, and Christopher Wills. DNA MICROSATELLITES: AGENTS OF EVOLUTION?; Jan., p. 94.
- Mukerjee, Madhusree. A LITTLE BIG BANG; March, p. 60.
- Myrabo, Leik N. [LASERS] HIGHWAYS OF LIGHT; Feb., p. 88.
- Naughton, Gail, and Nancy Parenteau. SKIN: THE FIRST TISSUE-ENGINEERED PRODUCTS; April, p. 83.
- Norcross, Robert P. SATELLITES: THE STRATEGIC HIGH GROUND; Oct., p. 106.
- Paine, Christopher E. A CASE AGAINST VIRTUAL NUCLEAR TESTING; Sept., p. 74.
- Pappalardo, Robert T., James W. Head and Ronald Greeley. THE HIDDEN OCEAN OF EUROPA; Oct., p. 54.
- Parenteau, Nancy, and Gail Naughton. SKIN: THE FIRST TISSUE-ENGINEERED PRODUCTS; April, p. 83.
- Pedersen, Roger A. EMBRYONIC STEM CELLS FOR MEDICINE; April, p. 68.
- Pike, John, George N. Lewis and Theodore A. Postol. WHY NATIONAL MISSILE DEFENSE WON'T WORK; Aug., p. 36.
- Postol, Theodore A., George N. Lewis and John Pike. WHY NATIONAL MISSILE DEFENSE WON'T WORK; Aug., p. 36.
- Powell, James R. COMPACT NUCLEAR ROCKETS; Feb., p. 92.
- Preston-Mafham, Ken (photographs), and Douglas W. Tallamy. CHILD CARE AMONG THE INSECTS; Jan., p. 72.
- Proudfoot, Diane, and B. Jack Copeland. ALAN TURING'S FORGOTTEN IDEAS IN COMPUTER SCIENCE; April, p. 98.
- Rappaport, Saul A., Peter Kahabka and Edward P. J. van den Heuvel. SUPERSOFT X-RAY STARS AND SUPERNOVAE; Feb., p. 46.
- Rees, Martin. EXPLORING OUR UNIVERSE AND OTHERS; Dec., p. 78.
- Research Consortium of the Christopher Reeve Paralysis Foundation, the, and John W. McDonald. REPAIRING THE DAMAGED SPINAL CORD; Sept., p. 64.
- Riddle, Robert D., and Clifford J. Tabin. HOW LIMBS DEVELOP; Feb., p. 74.
- Rith, Klaus, and Andreas Schäfer. THE MYSTERY OF NUCLEON SPIN; July, p. 58.
- Rogers, Paul, Simon Whitby and Malcolm Dando. BIOLOGICAL WARFARE AGAINST CROPS; June, p. 70.
- Rolls, Jay, and Milo Medin. THE INTERNET VIA CABLE; Oct., p. 100.
- Rose, Michael R. CAN HUMAN AGING BE POSTPONED?; Dec., p. 106.
- Rotimi, Charles N., Richard S. Cooper and Ryk Ward. THE PUZZLE OF HYPERTENSION IN AFRICAN-AMERICANS; Feb., p. 56.
- Sandford, Scott A., Max P. Bernstein and Louis J. Allamandola. LIFE'S FAR-FLUNG RAW MATERIALS; July, p. 42.
- Schäfer, Andreas, and Klaus Rith. THE MYSTERY OF NUCLEON SPIN; July, p. 58.
- Scott, Phil. THE BALLOON THAT FLEW ROUND THE WORLD; Nov., p. 110.
- Shumate, Jr., Paul W. THE BROADBAND BROADBAND; Oct., p. 104.
- Simpson, George Gaylord. [TYRANNOSAURS] THE DECHRONIZATION OF SAM MAGRUDER; Sept., p. 52.
- Skoro, John. LMDS: BROADBAND WIRELESS ACCESS; Oct., p. 108.
- Smith, Bradley R. VISUALIZING HUMAN EMBRYOS; March, p. 76.
- Smith, Jr., I. Steve, and James A. Cutts. FLOATING IN SPACE [SPACE-AGE BALLOONING]; Nov., p. 98.
- Smith, Roger. THE TIMING OF BIRTH; March, p. 68.
- Spergel, David N., and Martin A. Bucher. INFLATION IN A LOW-DENSITY UNIVERSE; Jan., p. 62.
- Starkman, Glenn D., Jean-Pierre Luminet and Jeffrey R. Weeks. IS SPACE FINITE?; April, p. 90.
- Starkman, Glenn D., and Lawrence M. Krauss. THE FATE OF LIFE IN THE UNIVERSE; Nov., p. 58.
- Stiassny, Melanie L. J., and Axel Meyer. CICHLIDS OF THE RIFT LAKES; Feb., p. 64.
- Stix, Gary. EXPEDITIONS: A NEW EYE OPENS ON THE COSMOS; April, p. 104.
- Suess, Erwin, Gerhard Bohrmann, Jens Greiner and Erwin Lausch. [METHANE HYDRATES] FLAMMABLE ICE; Nov., p. 76.
- Suntzeff, Nicholas B., Craig J. Hogan and Robert P. Kirshner. SURVEYING SPACE-TIME WITH SUPERNOVAE; Jan., p. 46.
- Tabin, Clifford J., and Robert D. Riddle. HOW LIMBS DEVELOP; Feb., p. 74.
- Tallamy, Douglas W., and Ken Preston-Mafham (photographs). CHILD CARE AMONG THE INSECTS; Jan., p. 72.
- Tarter, Jill C., and Christopher F. Chyba. IS THERE LIFE ELSEWHERE IN THE UNIVERSE?; Dec., p. 118.
- Thomke, Stefan, Michael Holzner and Touraj Gholami. [AUTO SAFETY] THE CRASH IN THE MACHINE; March, p. 92.
- Toole, Betty Alexandra, and Eugene Eric Kim. ADA AND THE FIRST COMPUTER; May, p. 76.
- Topoff, Howard. [ANTS] SLAVE-MAKING QUEENS; Nov., p. 84.
- Totsuka, Yoji, Edward Kearns and Takaaki Kajita. DETECTING MASSIVE NEUTRINOS; Aug., p. 64.
- Trenberth, Kevin E., and Thomas R. Karl. THE HUMAN IMPACT ON CLIMATE; Dec., p. 100.
- Vacanti, Joseph P., and Robert S. Langer. TISSUE ENGINEERING: THE CHALLENGES AHEAD; April, p. 86.
- Van den Heuvel, Edward P. J., Peter Kahabka and Saul A. Rappaport. SUPERSOFT X-RAY STARS AND SUPERNOVAE; Feb., p. 46.
- Venkateswar, Sita. THE ANDAMAN ISLANDERS; May, p. 82.
- Vreeland, Jr., James M. THE REVIVAL OF COLORED COTTON; April, p. 112.
- Ward, Ryk, Richard S. Cooper and Charles N. Rotimi. THE PUZZLE OF HYPERTENSION IN AFRICAN-AMERICANS; Feb., p. 56.
- Webster, Robert G., W. Graeme Laver and Norbert Bischofberger. DISARMING FLU VIRUSES; Jan., p. 78.
- Weeks, Jeffrey R., Jean-Pierre Luminet and Glenn D. Starkman. IS SPACE FINITE?; April, p. 90.
- Weinberg, Steven. A UNIFIED PHYSICS BY 2050?; Dec., p. 68.
- Weiner, David B., and Ronald C. Kennedy. GENETIC VACCINES; July, p. 50.
- Westmorland, F. Stuart (photographs), and Glenn Zorpette. EXPEDITIONS: TO SAVE A SALMON; Jan., p. 100.
- Whitby, Simon, Paul Rogers and Malcolm Dando. BIOLOGICAL WARFARE AGAINST CROPS; June, p. 70.
- Wills, Christopher, and E. Richard Moxon. DNA MICROSATELLITES: AGENTS OF EVOLUTION?; Jan., p. 94.
- Witham, Larry, and Edward J. Larson. SCIENTISTS AND RELIGION IN AMERICA; Sept., p. 88.
- Wroe, Stephen. KILLER KANGAROOS AND OTHER MURDEROUS MARSUPIALS; May, p. 68.
- Yunus, Muhammad. THE GRAMEEN BANK; Nov., p. 114.
- Zorpette, Glenn, and F. Stuart Westmorland (photographs). EXPEDITIONS: TO SAVE A SALMON; Jan., p. 100.
- Zorpette, Glenn. EXPEDITIONS: CHASING THE GHOST BAT; June, p. 82.
- Zue, Victor. TALKING WITH YOUR COMPUTER [OXYGEN PROJECT]; Aug., p. 56.

ARTICLES, BY KEY WORDS

- ACOUSTICS, TIME-REVERSED, by Mathias Fink; Nov., p. 91.
- AGING BE POSTPONED?, CAN HUMAN, by Michael R. Rose; Dec., p. 106.
- ANDAMAN ISLANDERS, THE, by Sita Venkateswar; May, p. 82.
- [ANTS] SLAVE-MAKING QUEENS, by Howard Topoff; Nov., p. 84.
- APOLLO [POSTER], LOOKING BACK AT; July, p. 40A.
- [AUTO SAFETY] THE CRASH IN THE MACHINE, by Stefan Thomke, Michael Holzner and Touraj Gholami; March, p. 92.
- [BALLOONING, SPACE-AGE] THE BALLOON THAT FLEW ROUND THE WORLD, by Phil Scott; Nov., p. 110.
- [BALLOONING, SPACE-AGE] FLOATING IN SPACE, by I. Steve Smith, Jr., and James A. Cutts; Nov., p. 98.
- [BALLOONING, SPACE-AGE] A ZEPPELIN FOR THE 21ST CENTURY, by Klaus G. Hagenlocher; Nov., p. 104.
- BAT (EXPEDITIONS), CHASING THE GHOST, by Glenn Zorpette; June, p. 82.
- BIG BANG, A LITTLE, by Madhusree Mukerjee; March, p. 60.
- BIOLOGICAL WARFARE AGAINST CROPS, by Paul Rogers, Simon Whitby and Malcolm Dando; June, p. 70.
- BIRTH, THE TIMING OF, by Roger Smith; March, p. 68.
- BLACK HOLES, UNMASKING, by Jean-Pierre Lasota; May, p. 40.
- BODY TELLS LEFT FROM RIGHT, HOW THE, by Juan Carlos Izpisua Belmonte; June, p. 46.
- BREAK, WHY THINGS, by Mark E. Eberhart; Oct., p. 66.
- [BROADBAND] SPECIAL REPORT: HIGH-SPEED DATA RACES HOME, by David D. Clark; Oct., p. 94.
- BROADBAND, THE BROADBAND, by Paul W. Shumate, Jr.; Oct., p. 104.
- BROADBAND BY PHONE, DSL!, by George T. Hawley; Oct., p. 102.
- [BROADBAND] THE INTERNET VIA CABLE, by Milo Medin and Jay Rolls; Oct., p. 100.
- [BROADBAND] THE LIGHT AT THE END OF THE PIPE, by P. William Bane and Stephen P. Bradley; Oct., p. 110.
- [BROADBAND] SATELLITES: THE STRATEGIC HIGH GROUND, by Robert P. Norcross; Oct., p. 106.
- BROADBAND WIRELESS ACCESS, LMDS, by John Skoro; Oct., p. 108.
- CHILDREN, THE MORAL DEVELOPMENT OF, by William Damon; Aug., p. 72.
- CICHLIDS OF THE RIFT LAKES, by Melanie L. J. Stiassny and Axel Meyer; Feb., p. 64.

- CLIMATE, THE HUMAN IMPACT ON, by Thomas R. Karl and Kevin E. Trenberth; Dec., p. 100.
- COMPUTER, ADA AND THE FIRST, by Eugene Eric Kim and Betty Alexandra Toole; May, p. 76.
- COSMOLOGY, SPECIAL REPORT: REVOLUTION IN; Jan., p. 45.
- [COSMOLOGY, REVOLUTION IN] COSMOLOGICAL ANTIGRAVITY, by Lawrence M. Krauss; Jan., p. 52.
- [COSMOLOGY, REVOLUTION IN] INFLATION IN A LOW-DENSITY UNIVERSE, by Martin A. Bucher and David N. Spergel; Jan., p. 62.
- [COSMOLOGY, REVOLUTION IN] SURVEYING SPACE-TIME WITH SUPERNOVAE, by Craig J. Hogan, Robert P. Kirshner and Nicholas B. Suntzeff; Jan., p. 46.
- COSMOS (EXPEDITIONS), A NEW EYE OPENS ON THE, by Gary Stix; April, p. 104.
- COTTON, THE REVIVAL OF COLORED, by James M. Vreeland, Jr.; April, p. 112.
- DNA MICROSATELLITES: AGENTS OF EVOLUTION?, by E. Richard Moxon and Christopher Wills; Jan., p. 94.
- EDUCATION (TRENDS IN EDUCATION), THE FALSE CRISIS IN SCIENCE, by W. Wayt Gibbs and Douglas Fox; Oct., p. 86.
- EMBRYOS, VISUALIZING HUMAN, by Bradley R. Smith; March, p. 76.
- EUROPA, THE HIDDEN OCEAN OF, by Robert T. Pappalardo, James W. Head and Ronald Greeley; Oct., p. 54.
- FLU VIRUSES, DISARMING, by W. Graeme Laver, Norbert Bischofberger and Robert G. Webster; Jan., p. 78.
- FUEL CELLS, SPECIAL REPORT: THE FUTURE OF; July, p. 72.
- [FUEL CELLS] THE ELECTROCHEMICAL ENGINE FOR VEHICLES, by A. John Appleby; July, p. 74.
- [FUEL CELLS] THE POWER PLANT IN YOUR BASEMENT, by Alan C. Lloyd; July, p. 80.
- [FUEL CELLS] REPLACING THE BATTERY IN PORTABLE ELECTRONICS, by Christopher K. Dyer; July, p. 88.
- GENETIC VACCINES, by David B. Weiner and Ronald C. Kennedy; July, p. 50.
- GÖDEL AND THE LIMITS OF LOGIC, by John W. Dawson, Jr.; June, p. 76.
- GRAMMEEN BANK, THE, by Muhammad Yunus; Nov., p. 114.
- HEPATITIS C, THE UNMET CHALLENGES OF, by Adrian M. Di Bisceglie and Bruce R. Bacon; Oct., p. 80.
- HYPERTENSION IN AFRICAN-AMERICANS, THE PUZZLE OF, by Richard S. Cooper, Charles N. Rotimi and Ryk Ward; Feb., p. 56.
- INSECTS, CHILD CARE AMONG THE, by Douglas W. Tallamy and Ken Preston-Mafham (photographs); Jan., p. 72.
- KANGAROOS AND OTHER MURDEROUS MARSUPIALS, KILLER, by Stephen Wroe; May, p. 68.
- KOMODO DRAGON, THE, by Claudio Ciofi; March, p. 84.
- LIFE, DECIPHERING THE CODE OF, by Francis S. Collins and Karin G. Jegalian; Dec., p. 86.
- LIFE'S FAR-FLUNG RAW MATERIALS, by Max P. Bernstein, Scott A. Sandford and Louis J. Allamandola; July, p. 42.
- LIMES DEVELOP, HOW, by Robert D. Riddle and Clifford J. Tabin; Feb., p. 74.
- [METHANE HYDRATES] FLAMMABLE ICE, by Erwin Suess, Gerhard Bohrmann, Jens Greinert and Erwin Lausch; Nov., p. 76.
- MIND, HOW THE BRAIN CREATES THE, by Antonio R. Damasio; Dec., p. 112.
- MISSILE DEFENSE WON'T WORK, WHY NATIONAL, by George N. Lewis, Theodore A. Postol and John Pike; Aug., p. 36.
- MULTIFRACTAL WALK DOWN WALL STREET, A, by Benoit B. Mandelbrot; Feb., p. 70.
- NATURE VERSUS NURTURE, THE END OF, by Frans B. M. de Waal; Dec., p. 94.
- NEFERTARI'S LEGACY, PRESERVING, by Neville Agnew and Shin Maekawa; Oct., p. 74.
- NERVE CELLS FOR THE ADULT BRAIN, NEW, by Gerd Kempermann and Fred H. Gage; May, p. 48.
- NEUTRINOS, DETECTING MASSIVE, by Edward Kearns, Takaaki Kajita and Yoichi Totsuka; Aug., p. 64.
- NUCLEAR TESTING, A CASE AGAINST VIRTUAL, by Christopher E. Paine; Sept., p. 74.
- NUCLEON SPIN, THE MYSTERY OF, by Klaus Rith and Andreas Schäfer; July, p. 58.
- [OXYGEN PROJECT] COMMUNICATIONS CHAMELEONS, by John V. Guttag; Aug., p. 58.
- [OXYGEN PROJECT] SPECIAL REPORT: THE FUTURE OF COMPUTING, by Michael L. Dertouzos; Aug., p. 52.
- [OXYGEN PROJECT] TALKING WITH YOUR COMPUTER, by Victor Zue; Aug., p. 56.
- [OXYGEN PROJECT] RAW COMPUTATION, by Anant Agarwal; Aug., p. 60.
- PHYSICS BY 2050?, A UNIFIED, by Steven Weinberg; Dec., p. 68.
- PFIESTERIA, THE LURKING PERILS OF, by JoAnn M. Burkholder; Aug., p. 42.
- PLANETS, MIGRATING, by Renu Malhotra; Sept., p. 56.
- RELIGION IN AMERICA, SCIENTISTS AND, by Edward J. Larson and Larry Witham; Sept., p. 88.
- ROBOTS, RISE OF THE, by Hans Moravec; Dec., p. 124.
- SAKHAROV, THE METAMORPHOSIS OF ANDREI, by Gennady Gorelik; March, p. 98.
- SALMON (EXPEDITIONS), TO SAVE A, by Glenn Zorpette and F. Stuart Westmorland (photographs); Jan., p. 100.
- SCIENCE TO COME, THE UNEXPECTED, by Sir John Maddox; Dec., p. 62.
- [SPACESHIPS: THE NEXT GENERATION] AIR-BREATHING ENGINES, by Charles R. McClinton; Feb., p. 84.
- [SPACESHIPS: THE NEXT GENERATION] COMPACT NUCLEAR ROCKETS, by James R. Powell; Feb., p. 92.
- [SPACESHIPS: THE NEXT GENERATION] [LASERS] HIGHWAYS OF LIGHT, by Leik N. Myrabo; Feb., p. 88.
- [SPACESHIPS: THE NEXT GENERATION] LIGHT SAILS, by Henry M. Harris; Feb., p. 90.
- [SPACESHIPS: THE NEXT GENERATION] REACHING FOR THE STARS, by Stephanie D. Leifer; Feb., p. 94.
- [SPACESHIPS: THE NEXT GENERATION] SPACE TETHERS, by Robert L. Forward and Robert P. Hoyt; Feb., p. 86.
- [SPACESHIPS: THE NEXT GENERATION] THE WAY TO GO IN SPACE, by Tim Beardsley; Feb., p. 80.
- SPACE FINITE?, IS, by Jean-Pierre Luminet, Glenn D. Starkman and Jeffrey R. Weeks; April, p. 90.
- SPINAL CORD, REPAIRING THE DAMAGED, by John W. McDonald and the Research Consortium of the Christopher Reeve Paralysis Foundation; Sept., p. 64.
- SURGERY, IMAGE-GUIDED, by W. Eric L. Grimson, Ron Kikinis, Ferenc A. Jolesz and Peter McL. Black; June, p. 62.
- THROAT-SINGERS OF TUVA, THE, by Theodore C. Levin and Michael E. Edgerton; Sept., p. 80.
- TISSUE ENGINEERING, SPECIAL REPORT: THE PROMISE OF, April, p. 59.
- TISSUE ENGINEERING: THE CHALLENGES AHEAD, by Robert S. Langer and Joseph P. Vacanti; April, p. 86.
- [TISSUE ENGINEERING] EMBRYONIC STEM CELLS FOR MEDICINE, by Roger A. Pedersen; April, p. 68.
- [TISSUE ENGINEERING] ENCAPSULATED CELLS AS THERAPY, by Michael J. Lysaght and Patrick Aebischer; April, p. 76.
- [TISSUE ENGINEERING] GROWING NEW ORGANS, by David J. Mooney and Antonios G. Mikos; April, p. 60.
- [TISSUE ENGINEERING] SKIN: THE FIRST TISSUE-ENGINEERED PRODUCTS, by Nancy Parenteau and Gail Naughton; April, p. 83.
- TSUNAMI!, by Frank I. González; May, p. 56.
- TURING'S FORGOTTEN IDEAS IN COMPUTER SCIENCE, ALAN, by B. Jack Copeland and Diane Proudfoot; April, p. 98.
- [TYRANNOSAURS] THE DECHRONIZATION OF SAM MAGRUDER, by George Gaylord Simpson; Sept., p. 52.
- TYRANNOSAURS, THE TEETH OF THE, by William L. Abler; Sept., p. 50.
- TYRANNOSAURUS REX, BREATHING LIFE INTO, by Gregory M. Erickson; Sept., p. 42.
- UNIVERSE, MAPPING THE, by Stephen D. Landy; June, p. 38.
- UNIVERSE, THE FATE OF LIFE IN THE, by Lawrence M. Krauss and Glenn D. Starkman; Nov., p. 58.
- UNIVERSE?, IS THERE LIFE ELSEWHERE IN THE, by Jill C. Tarter and Christopher F. Chyba; Dec., p. 118.
- UNIVERSE AND OTHERS, EXPLORING OUR, by Martin Rees; Dec., p. 78.
- VENUS, GLOBAL CLIMATE CHANGE ON, by Mark A. Bullock and David H. Grinspoon; March, p. 50.
- VIRUS (EXPEDITIONS), TRAILING A, by W. Wayt Gibbs; Aug., p. 80.
- VISION: A WINDOW ON CONSCIOUSNESS, by Nikos K. Logothetis; Nov., p. 68.
- WEB, HYPERSEARCHING THE, by members of the Clever project; June, p. 54.
- X-RAY STARS AND SUPERNOVAE, SUPER-SOFT, by Peter Kahabka, Edward P. J. van den Heuvel and Saul A. Rappaport; Feb., p. 46.
- XML AND THE SECOND-GENERATION WEB, by Jon Bosak and Tim Bray; May, p. 89.
- Y2K: SO MANY BUGS ... SO LITTLE TIME, by Peter de Jager; Jan., p. 88.
- ZOOS AND GARDENS, THE EARLIEST, by Karen Polinger Foster; July, p. 64.

THE AMATEUR SCIENTIST

by Shawn Carlson

- Taking the Earth's Magnetic Pulse.* Jan., p. 106.
- Tackling the Triple Point.* Feb., p. 98.
- A Homemade High-Precision Thermometer.* March, p. 102.
- Detecting "Hot" Clouds.* April, p. 120.
- Hot Views of the Microscopic World.* May, p. 94.
- Expert Secrets for Preserving Plants.* June, p. 90.
- Detecting the Earth's Electricity.* July, p. 94.
- Sun of a Gun.* Aug., p. 88.
- Counting Atmospheric Ions.* Sept., p. 96.
- Modeling the Atomic Universe.* Oct., p. 118.
- Falling into Chaos.* Nov., p. 120.

MATHEMATICAL RECREATIONS

by Ian Stewart

- Division without Envy.* Jan., p. 110.
- Origami Tessellations.* Feb., p. 100.
- The Synchronicity of Firefly Flashing.* March, p. 104.
- Tangling with Topology.* April, p. 123.
- A Puzzle for Pirates.* May, p. 98.
- Crossed Lines in the Brick Factory.* June, p. 94.
- The Art of Elegant Tiling.* July, p. 96.
- Sierpinski's Ubiquitous Gasket.* Aug., p. 90.
- Dances with Dodecahedra.* Sept., p. 98.
- Cone with a Twist.* Oct., p. 116.
- Most-Perfect Magic Squares.* Nov., p. 122.
- Defend the Roman Empire!* Dec., p. 136.